

CENTRAL INTELLIGENCE AGENCY 50X1  
**INFORMATION REPORT**

COUNTRY USSR

SUBJECT Academy of Artillery Science and Central  
Artillery Design Bureau

PLACE  
ACQUIRED

50X1

DATE  
ACQUIRED

DATE OF INFORMATION

50X1

DATE DISTR. 20 May 52

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(LISTED BELOW) (A)

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SUPPLEMENT TO  
REPORT

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THIS IS UNEVALUATED INFORMATION

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1. Detailed information on the Scientific Council of the Academy  
of Artillery Science was published in newspapers at the same time  
the information of the Academy of Artillery Science was announced.  
the Scientific Council was composed of outstanding  
Soviet military and scientific artillerists. The Scientific  
Council numbered 12 to 14 men, but only the following:

- (a) Voronov, Chief Marshall of Artillery
- (b) Grabin, designer of AA artillery. I heard that Grabin  
designed the 37 mm, the 76 mm and the 85 mm AA guns.
- (c) Col Gen Tokarev, small arms designer
- (d) Col Gen Nedelin
- (e) Gen Prochko, Chief of Staff to Marshall Voronov during  
the Fatherland War
- (f) Col Gen Prokhorov

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CLASSIFICATION SECRET/SECURITY INFORMATION

STATE X	NAVY X	FBI X	DISTRIBUTION								
ARMY X	AEC X	AEC X									

## SECRET/SECURITY INFORMATION

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2. [redacted] suggestions for the improvement or alteration of  
50X1 equipment were sent to the Central Artillery Institute [redacted]  
50X1 [redacted]  
50X1 [redacted] only two copies were  
50X1 necessary as the Central Artillery Institute no longer required  
50X1 the third copy which formerly was requested. All three copies  
had been sent through appropriate military channels (division to  
corps to group to Moscow), and in the Moscow Artillery Headquarters  
the third copy was delivered to the Central Artillery Institute.  
The practice of submitting suggestions for the improvement of  
equipment was common to all types of troops, and for this purpose  
a regular form (range card) was distributed to company units.  
[Attached as Enclosure (A) is a copy of the form as reproduced from  
memory by the Source.]
3. The Academy of Artillery Science publishes scientific artillery  
literature, treatises, manuals and firing tables. During the  
50X1 period 1948-51, [redacted] two periodicals and one book  
published by the Academy of Artillery Science.
4. A monthly magazine, entitled Artilleryman (Artillerist), is  
distributed to artillery units and is classified "for official  
use only".
5. Information Bulletin was a publication devoted to describing  
new weapons and the alteration of old ones. New patents  
(suggestions) by designers or artillery personnel for such things as  
miniature firing ranges or remote control equipment were  
also published in this magazine. A section was devoted to  
tactical artillery problems. The Information Bulletin was  
classified "Secret" and was handled by the Secret Document  
Section of the Unit. It was not distributed to any artillery  
unit lower than a "separate battalion" or a regiment. This  
publication was not issued regularly and used an irregular  
numbering system different from that of an "ordinary magazine".
6. [redacted] book entitled Artillery in the Battle of Leningrad  
50X1 Based on the Experiences of the Fatherland War which was pub-  
lished by the Academy of Artillery Science. Many such general  
books were published by the Academy and were "for official use  
only".
7. [redacted] the Academy publishes other types of literature  
50X1 because of the explanation given in the newspapers about the  
Academy's functions as the main Soviet body in charge of all  
scientific artillery problems.
8. The Central Artillery Design Bureau was located in Moscow at  
50X1 Ulitsa Zuyevskaya. [redacted]  
50X1 [redacted]  
50X1 [redacted]  
50X1 [redacted]  
50X1 [redacted] the Central Artillery  
50X1 Design Bureau was subordinate to the Ministry of Armed [redacted]  
50X1 [redacted]

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Enclosure (A): Sample of Soviet Army Range Card

SECRET/SECURITY INFORMATION

Enclosure (A) SECRET/SECURITY INFORMATION

Range Card

50X1 Unit: Subdivision:

50X1 Rank and Name of Person Conducting Fire:

50X1 Problem #. 4 Flight#: First Color of Tow Target: White

Number of Fired Shells: 72 Number of Impacts: Normal

Firing Time: 20 seconds Firing Range: Ordruf

Number of Salvos	Dispersion Error	
	Above - Below	Right - Left
Fire!	10	0-05
Speed below 20	10	0-05
Speed above 20	10	0-05 0-05

Speed of the Aircraft as Determined by Person Conducting Fire: 80 m/sec

Distance taken from Range-finder: 2400 m

Flight Direction: To Battery Position

Elements of Target as Received from Firing Range Crew:

Speed: Not given Distance: Not given Flight direction: Not given

Evaluation of Results: Person conducting fire seems to be thoroughly familiar with firing techniques and practices. Firing commands were given correctly; adjustment of fire was done without delay and correctly. Proves to be able to conduct battery fire.

Exact Timing of Firing  
(Khronometrazh)

Given Command:	Period of Time Elapsed from the Starting Command until Command "Fire":
At the Tow-Target!	0 seconds
Above 12!	10 seconds
Speed 80!	20 seconds
24!	32 seconds
Short Salvos!	44 seconds
Fire!	56 seconds

Evaluation of Battery Fire: Fire teamwork. Gun crews are well trained and thoroughly familiar with their duties.

Rating "Excellent"

50X1 Firing Conducted by:

50X1 Supervised by

Official Seal

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